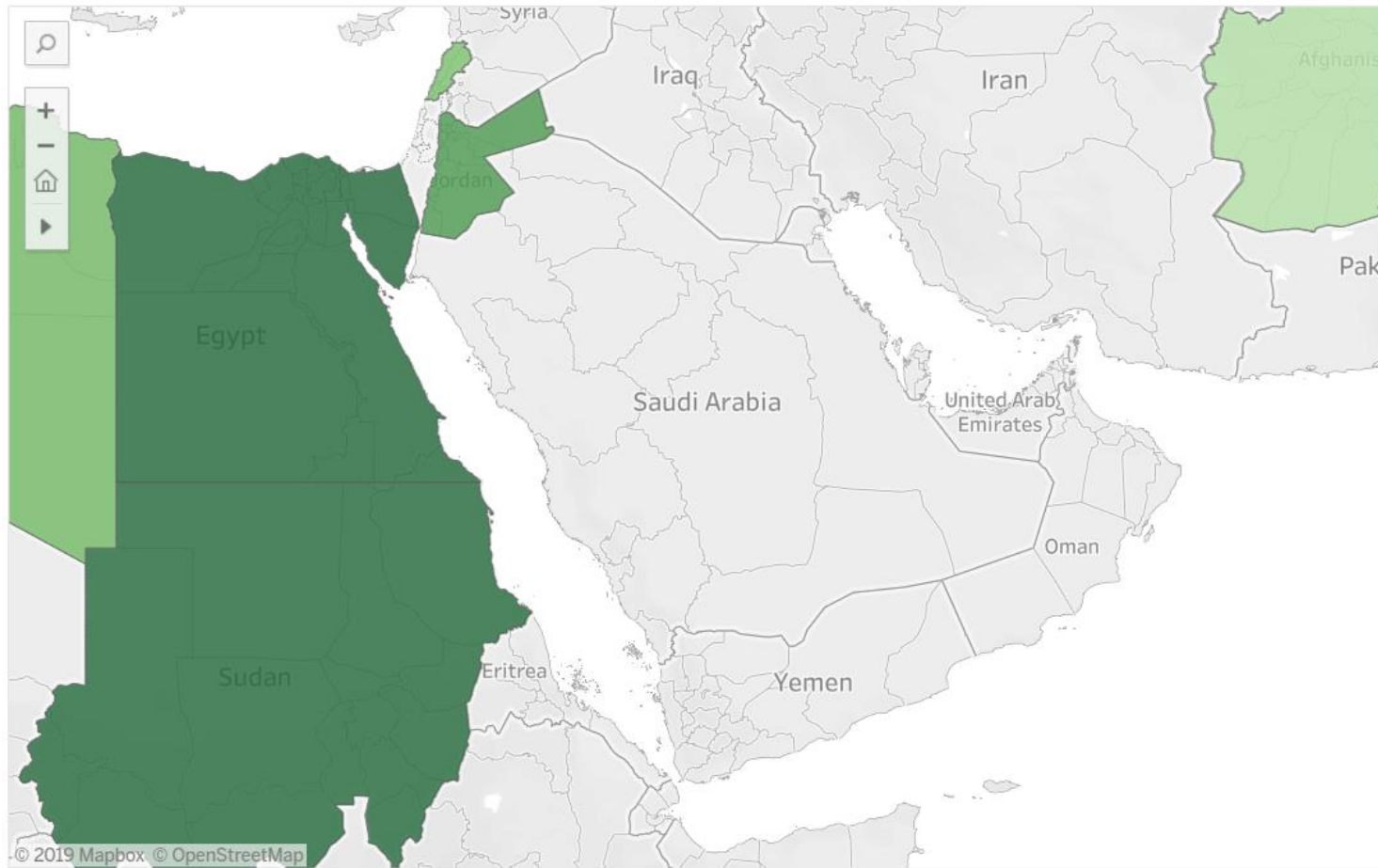


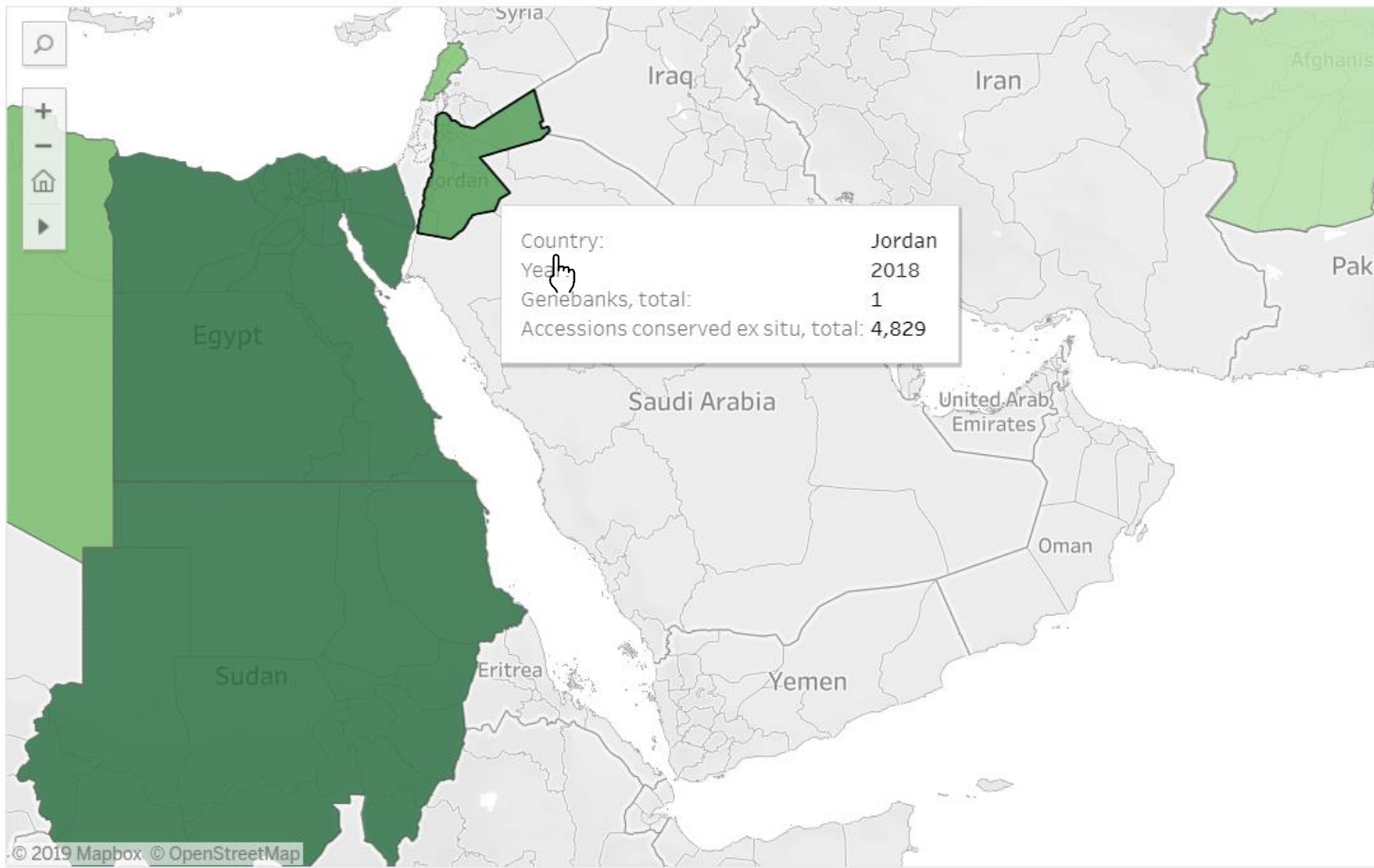
Number of accessions conserved *ex situ* under medium or long-term conditions



Number of accessions conserved *ex situ* under medium or long-term conditions by region



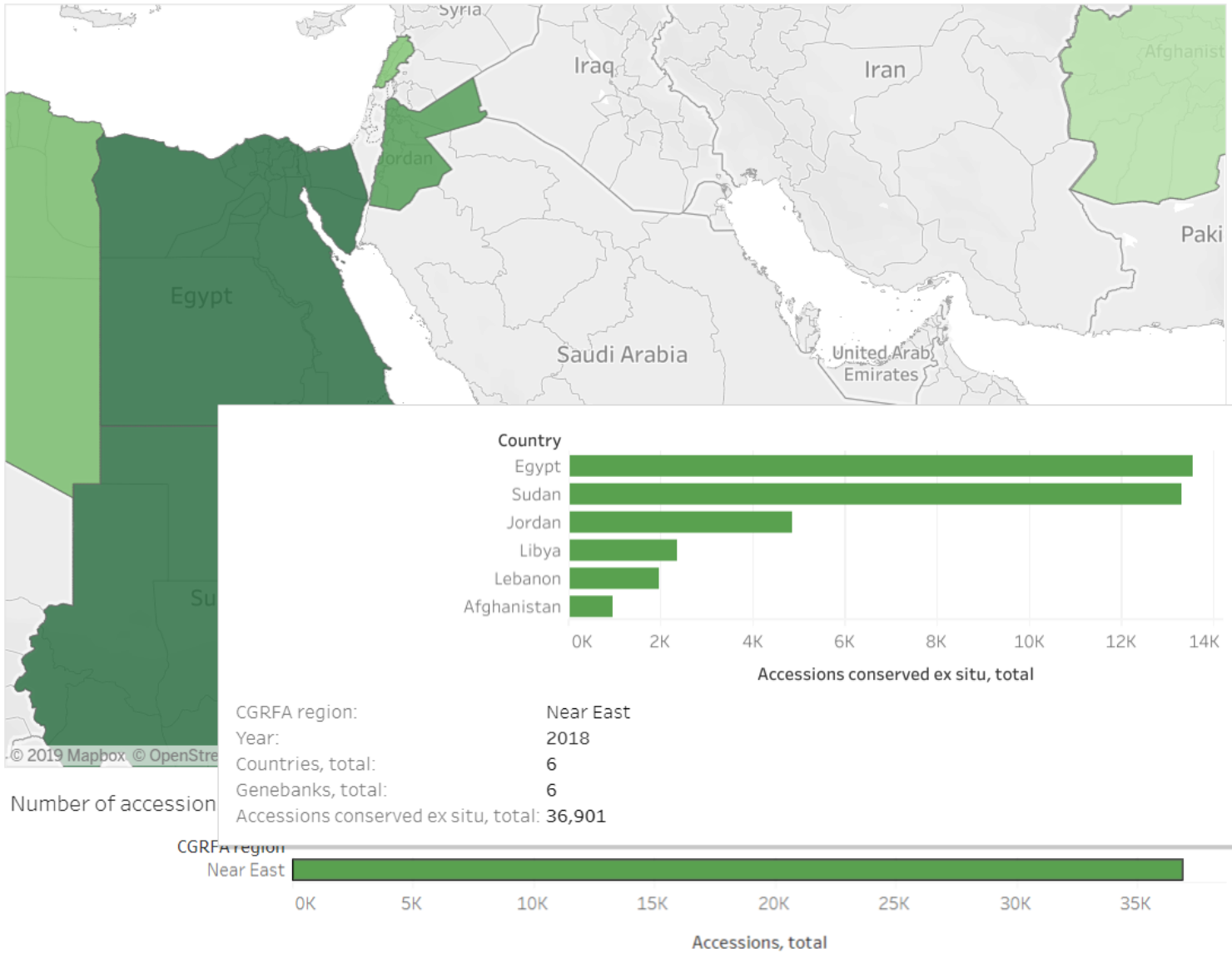
Number of accessions conserved *ex situ* under medium or long-term conditions



Number of accessions conserved *ex situ* under medium or long-term conditions by region



Number of accessions conserved *ex situ* under medium or long-term conditions





# WIEWS - World Information and Early Warning System on Plant Genetic Resources for Food and Agriculture

- Background
- Data**
- Resources
- Glossary

## Ex Situ (SDG 2.5.1)

Geo-referenced gene... of accessions, genera...

Second Global Plan of Action

**Ex Situ (SDG 2.5.1)**

Organizations

Overview

**Maps**

Search

2018

All

Crop

... of their germplasm holdings in terms of number (national) and year.

National × Regional

Show as Table



# WIEWS - World Information and Early Warning System on Plant Genetic Resources for Food and Agriculture

## Ex Situ (SDG 2.5.1) - Maps

Geo-referenced genebanks and their holdings are displayed on the map. They can be filtered by the size of their germplasm holdings in terms of number of accessions, genera and species conserved, as well as by their mandate (national, regional, international) and year.

2020 ▾

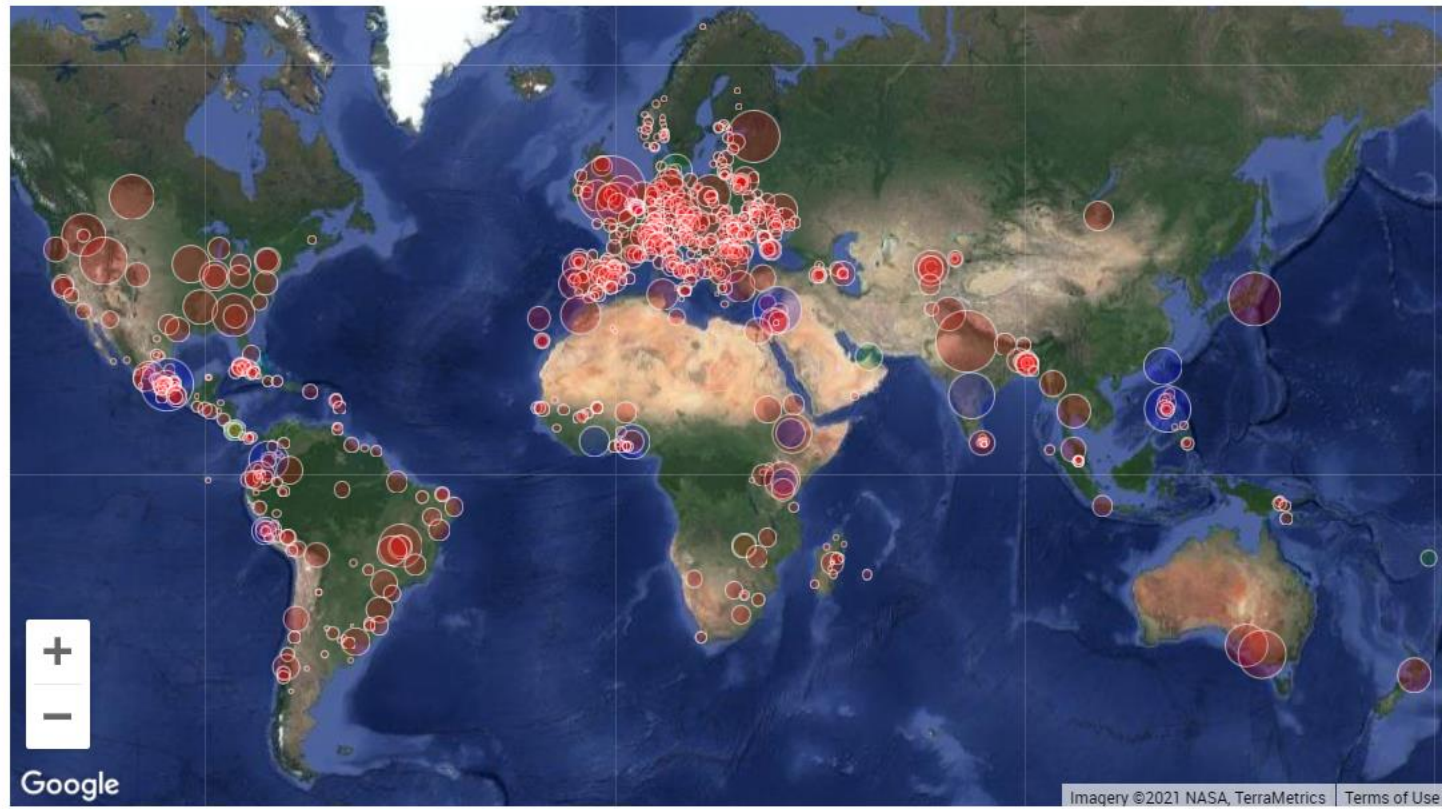
All ▾

Crop X

Accessions ▾

International  National  Regional

Show as Table



## Ex Situ (SDG 2.5.1) - Maps

Geo-referenced genebanks and their holdings are displayed on the map. They can be filtered by the size of their germplasm holdings in terms of number of accessions, genera and species conserved, as well as by their mandate (national, regional, international) and year.

2018

All

Crop X

Accessions

x International x National x Regional

Show as Table



## Ex Situ (SDG 2.5.1) - Maps

Geo-referenced genebanks and their holdings are displayed on the map. They can be filtered by the size of their germplasm holdings in terms of number of accessions, genera and species conserved, as well as by their mandate (national, regional, international) and year.

2018 ▾  
All ▾  
Crop X

Accessions ▾  
× International × National × Regional

Show as Table



## Ex Situ (SDG 2.5.1) - Maps

Geo-referenced genebanks and their holdings are displayed on the map. They can be filtered by the size of their germplasm holdings in terms of number of accessions, genera and species conserved, as well as by their mandate (national, regional, international) and year.

2018

All

Barley

Accessions

× International × National × Regional

Show as Table







# WIEWS - World Information and Early Warning System on Plant Genetic Resources for Food and Agriculture

- Home
- Background
- Data
- Resources
- Glossary

## Ex situ search

Accession-level information of plant genetic resources secured in genebanks (*ex situ*) under medium and long term storage can be retrieved through the search below.

### Results

Back to Search

Download Results

Showing 1 to 25 of 5020 rows 25 rows per page

< 1 2 3 4 5 ... 201 >

| Holding institute | Accession number | Taxon           | Acquisition date | Storage              |
|-------------------|------------------|-----------------|------------------|----------------------|
| ARE003            | ICBA01970        | Hordeum vulgare | 1999             | 12) Seed medium-term |
| ARE003            | ICBA01971        | Hordeum vulgare | 1999             | 12) Seed medium-term |
| ARE003            | ICBA01972        | Hordeum vulgare | 1999             | 12) Seed medium-term |
| ARE003            | ICBA01973        | Hordeum vulgare | 1999             | 12) Seed medium-term |
| ARE003            | ICBA01974        | Hordeum vulgare | 1999             | 12) Seed medium-term |
| ARE003            | ICBA01975        | Hordeum vulgare | 1999             | 12) Seed medium-term |


## Ex situ search

Accession-level information of plant genetic resources secured in genebanks (*ex situ*) under medium and long term storage can be retrieved through the search below.

### Details

[Back to Results](#)

2018

|   |   |
|---|---|
| Holding institute code and name                       | ARE003 - International Center for Biosaline Agriculture   |
| Holding institute country                             | -   |
| Accession number                                      | ICBA01970   |
| DOI   | -   |
| Name of taxon   | Hordeum vulgare  |
| Name of crop  | Barley  |
| Acquisition date (YYYY/MM)                            | 1999  |
| Country of origin                                     | <a href="#">Oman</a>  |
| Biological status of accession                        | 300) Traditional cultivar/Landrace  |
| Genebank(s) holding safety duplications               | -   |
| Latitude of collecting site (decimal degrees format)  | -   |
| Longitude of collecting site (decimal degrees format) | -   |
| Collecting/acquisition source                         | -   |
| Type of germplasm storage                             | 12) Seed medium-term  |
| Status under the Multilateral System                  | -   |
| Data owner  | ARE003 - International Center for Biosaline Agriculture   |

## Ex situ search

Accession-level information of plant genetic resources secured in genebanks (*ex situ*) under medium and long term storage can be retrieved through the search below.

### Results

[Back to Search](#)

[Download Results](#)

Showing 1 to 25 of 5020 rows  rows per page

< 1 2 3 4 5 ... 201 >

| Holding institute | Accession number | Taxon           | Acquisition date | Storage              |
|-------------------|------------------|-----------------|------------------|----------------------|
| ARE003            | ICBA01970        | Hordeum vulgare | 1999             | 12) Seed medium-term |
| ARE003            | ICBA01971        | Hordeum vulgare | 1999             | 12) Seed medium-term |
| ARE003            | ICBA01972        | Hordeum vulgare | 1999             | 12) Seed medium-term |
| ARE003            | ICBA01973        | Hordeum vulgare | 1999             | 12) Seed medium-term |
| ARE003            | ICBA01974        | Hordeum vulgare | 1999             | 12) Seed medium-term |
| ARE003            | ICBA01975        | Hordeum vulgare | 1999             | 12) Seed medium-term |
| ARE003            | ICBA01976        | Hordeum vulgare | 1999             | 12) Seed medium-term |
| ARE003            | ICBA01977        | Hordeum vulgare | 1999             | 12) Seed medium-term |
| ARE003            | ICBA01978        | Hordeum vulgare | 1999             | 12) Seed medium-term |
| ARE003            | ICBA01979        | Hordeum vulgare | 1999             | 12) Seed medium-term |
| ARE003            | ICBA01980        | Hordeum vulgare | 1999             | 12) Seed medium-term |
| ARE003            | ICBA01981        | Hordeum vulgare | 1999             | 12) Seed medium-term |

# Ex situ search

Wiews\_Exsitu\_1574787503666.csv - Excel

Diulgheroff, Stefano (AGPM) Share

| Year | Country IS | Country n | Holding ir | Holding ir | Accession DOI | Taxon   | Genus   | Species | Crop nam  | Acquisitio | Country of | Country of  | Biological | Genebank | Genebank | Latitude o | Longitude | Collecting | Type of ge           | Status unc | Data ov |
|------|------------|-----------|------------|------------|---------------|---------|---------|---------|-----------|------------|------------|-------------|------------|----------|----------|------------|-----------|------------|----------------------|------------|---------|
| 2018 | icb        | ICBA      | ARE003     | Internatio | ICBA12409     | Hordeum | Hordeum | vulgare | Wild bark | 2012/12    | ISR        | Israel      | 100        | Wild     |          |            |           |            | 12) Seed medium-term | Intern     |         |
| 2018 | icb        | ICBA      | ARE003     | Internatio | ICBA12410     | Hordeum | Hordeum | vulgare | Wild bark | 2012/12    | ISR        | Israel      | 100        | Wild     |          |            |           |            | 12) Seed medium-term | Intern     |         |
| 2018 | icb        | ICBA      | ARE003     | Internatio | ICBA12411     | Hordeum | Hordeum | vulgare | Wild bark | 2012/12    | ISR        | Israel      | 100        | Wild     |          |            |           |            | 12) Seed medium-term | Intern     |         |
| 2018 | icb        | ICBA      | ARE003     | Internatio | ICBA12412     | Hordeum | Hordeum | vulgare | Wild bark | 2012/12    | ISR        | Israel      | 100        | Wild     |          |            |           |            | 12) Seed medium-term | Intern     |         |
| 2018 | icb        | ICBA      | ARE003     | Internatio | ICBA12413     | Hordeum | Hordeum | vulgare | Wild bark | 2012/12    | ISR        | Israel      | 100        | Wild     |          |            |           |            | 12) Seed medium-term | Intern     |         |
| 2018 | icb        | ICBA      | ARE003     | Internatio | ICBA12417     | Hordeum | Hordeum | vulgare | Wild bark | 2012/12    | ISR        | Israel      | 100        | Wild     |          |            |           |            | 12) Seed medium-term | Intern     |         |
| 2018 | icb        | ICBA      | ARE003     | Internatio | ICBA12418     | Hordeum | Hordeum | vulgare | Wild bark | 2012/12    | ISR        | Israel      | 100        | Wild     |          |            |           |            | 12) Seed medium-term | Intern     |         |
| 2018 | icb        | ICBA      | ARE003     | Internatio | ICBA12422     | Hordeum | Hordeum | vulgare | Wild bark | 2012/12    | IRN        | Iran (Islar | 100        | Wild     |          |            |           |            | 12) Seed medium-term | Intern     |         |
| 2018 | icb        | ICBA      | ARE003     | Internatio | ICBA12424     | Hordeum | Hordeum | vulgare | Wild bark | 2012/12    | IRN        | Iran (Islar | 100        | Wild     |          |            |           |            | 12) Seed medium-term | Intern     |         |
| 2018 | icb        | ICBA      | ARE003     | Internatio | ICBA12432     | Hordeum | Hordeum | vulgare | Wild bark | 2012/12    | TUR        | Turkey      | 100        | Wild     |          |            |           |            | 12) Seed medium-term | Intern     |         |
| 2018 | icb        | ICBA      | ARE003     | Internatio | ICBA12435     | Hordeum | Hordeum | vulgare | Wild bark | 2012/12    | TUR        | Turkey      | 100        | Wild     |          |            |           |            | 12) Seed medium-term | Intern     |         |
| 2018 | icb        | ICBA      | ARE003     | Internatio | ICBA12436     | Hordeum | Hordeum | vulgare | Wild bark | 2012/12    | TUR        | Turkey      | 100        | Wild     |          |            |           |            | 12) Seed medium-term | Intern     |         |
| 2018 | icb        | ICBA      | ARE003     | Internatio | ICBA12437     | Hordeum | Hordeum | vulgare | Wild bark | 2012/12    | TUR        | Turkey      | 100        | Wild     |          |            |           |            | 12) Seed medium-term | Intern     |         |
| 2018 | icb        | ICBA      | ARE003     | Internatio | ICBA12440     | Hordeum | Hordeum | vulgare | Wild bark | 2012/12    | TUR        | Turkey      | 100        | Wild     |          |            |           |            | 12) Seed medium-term | Intern     |         |
| 2018 | icb        | ICBA      | ARE003     | Internatio | ICBA12414     | Hordeum | Hordeum | vulgare | Wild bark | 2012/12    | ISR        | Israel      | 100        | Wild     |          |            |           |            | 12) Seed medium-term | Intern     |         |
| 2018 | icb        | ICBA      | ARE003     | Internatio | ICBA12415     | Hordeum | Hordeum | vulgare | Wild bark | 2012/12    | ISR        | Israel      | 100        | Wild     |          |            |           |            | 12) Seed medium-term | Intern     |         |
| 2018 | icb        | ICBA      | ARE003     | Internatio | ICBA12416     | Hordeum | Hordeum | vulgare | Wild bark | 2012/12    | ISR        | Israel      | 100        | Wild     |          |            |           |            | 12) Seed medium-term | Intern     |         |
| 2018 | icb        | ICBA      | ARE003     | Internatio | ICBA12419     | Hordeum | Hordeum | vulgare | Wild bark | 2012/12    | IRN        | Iran (Islar | 100        | Wild     |          |            |           |            | 12) Seed medium-term | Intern     |         |
| 2018 | icb        | ICBA      | ARE003     | Internatio | ICBA12420     | Hordeum | Hordeum | vulgare | Wild bark | 2012/12    | IRN        | Iran (Islar | 100        | Wild     |          |            |           |            | 12) Seed medium-term | Intern     |         |
| 2018 | icb        | ICBA      | ARE003     | Internatio | ICBA12421     | Hordeum | Hordeum | vulgare | Wild bark | 2012/12    | IRN        | Iran (Islar | 100        | Wild     |          |            |           |            | 12) Seed medium-term | Intern     |         |
| 2018 | icb        | ICBA      | ARE003     | Internatio | ICBA12423     | Hordeum | Hordeum | vulgare | Wild bark | 2012/12    | IRN        | Iran (Islar | 100        | Wild     |          |            |           |            | 12) Seed medium-term | Intern     |         |
| 2018 | icb        | ICBA      | ARE003     | Internatio | ICBA12425     | Hordeum | Hordeum | vulgare | Wild bark | 2012/12    | IRN        | Iran (Islar | 100        | Wild     |          |            |           |            | 12) Seed medium-term | Intern     |         |
| 2018 | icb        | ICBA      | ARE003     | Internatio | ICBA12427     | Hordeum | Hordeum | vulgare | Wild bark | 2012/12    | TKM        | Turkmenis   | 100        | Wild     |          |            |           |            | 12) Seed medium-term | Intern     |         |
| 2018 | icb        | ICBA      | ARE003     | Internatio | ICBA12428     | Hordeum | Hordeum | vulgare | Wild bark | 2012/12    | TJK        | Tajikistan  | 100        | Wild     |          |            |           |            | 12) Seed medium-term | Intern     |         |

Wiews\_Exsitu\_1574787503666

|        |           |                 |      |                      |
|--------|-----------|-----------------|------|----------------------|
| ARE003 | ICBA01979 | Hordeum vulgare | 1999 | 12) Seed medium-term |
| ARE003 | ICBA01980 | Hordeum vulgare | 1999 | 12) Seed medium-term |
| ARE003 | ICBA01981 | Hordeum vulgare | 1999 | 12) Seed medium-term |

# WIEWS - World Information and Early Warning System on Plant Genetic Resources for Food and Agriculture

[Home](#) | [Background](#) | **Data** | [Resources](#) | [Glossary](#)

## Ex situ search

Accession-level information can be retrieved through the search below.

### Year

2018

### Holding institute

ARE003

### Current selected institute(s)

ARE003 - ICBA - International Center for Biosaline Agriculture ×

### Crop

Crop

### Crop Wild Relatives

Excluded

### Genus

### Species

- Second Global Plan of Action
- Ex Situ (SDG 2.5.1)**
  - Overview
  - Maps
  - Search**
- Organizations

× +

×

× +

× +

2018

Country

**Holding institute**

ARE003



**Current selected institute(s)**

ARE003 - ICBA - International Center for Biosaline Agriculture x



**Crop**

Barley

**Crop Wild Relatives**

Included



**Genus**

Genus

**Species**

Species



**Current selected element(s)**

- Hordeum vulgare x
- Hordeum stenostachys x
- Hordeum secalinum x
- Hordeum roshevitzii x
- Hordeum pusillum x
- Hordeum procerum x
- Hordeum parodii x
- Hordeum muticum x
- Hordeum murinum x
- Hordeum marinum x
- Hordeum lechleri x
- Hordeum lagunculiforme x
- Hordeum jubatum x
- Hordeum comosum x
- Hordeum chilense x
- Hordeum capense x
- Hordeum bulbosum x
- Hordeum brevisubulatum x
- Hordeum brachyantherum x
- Hordeum bogdanii x



**Accession number**

Accession number

**DOI**

DOI

**Country of origin**

Country of origin

**Status under the Multilateral System**

Status under the Multilateral System

**Biological status of accession**

**Type of germplasm storage**

# Sustainable Development Goals

- Overview
- News
- Events
- Goals
- Partnerships in action
- Tracking progress
- Indicators**



Sign up to our newsletter!

- FAO and the SDG Indicators Newsletter
- February 2021 | Special issue on fisheries and aquaculture
  - Previous releases

## Assessment of country capacity

FAO's Statistical Capacity Assessment survey for SDG Indicators provides insights about member countries' national statistical systems in regard to their capacity to monitor and report the 21 SDG indicators under FAO custodianship. Details on the assessment conducted by FAO in 2018/19 and the resulting country profiles can be found [here](#).

## Methods and data

### Highlights





## Assessment of country capacity

FAO's Statistical Capacity Assessment survey for SDG Indicators provides insights about member countries' national statistical systems in regard to their capacity to monitor and report the 21 SDG indicators under FAO custodianship. Details on the assessment conducted by FAO in 2018/19 and the resulting country profiles can be found [here](#).

## Methods and data

FAO is the custodian UN agency for 21 SDG indicators and is a contributing agency for a further 5. In this capacity, FAO is supporting countries' efforts in monitoring the 2030 Agenda.

Visit the pages below to find out more about the FAO SDG indicators - methodology, key results, events and focal points.

## Indicators under FAO custodianship



- 2.1.1 Hunger
- 2.1.2 Severity of food insecurity
- 2.3.1 Productivity of small-scale food producers
- 2.3.2 Income of small-scale food producer
- 2.4.1 Agricultural sustainability
- 2.5.1.a [Conservation of plant genetic resources for food and agriculture](#)
- 2.5.1.b Conservation of animal genetic resources for food and agriculture
- 2.5.2 Risk status of livestock breeds
- 2.a.1 Public Investment in agriculture
- 2.c.1 Food price volatility

Opens internal link in current window

### Highlights

- [SDG Progress Digital Report \(2019\)](#)
- [NEW E-learning course | Fish stocks sustainability](#)
- [E-learning courses on SDG indicators: Take the courses and get your certificates!](#)

### FAO and the SDG Indicators - Newsletter

- [September 2019](#)
- [September 2019 | Special Issue on Indicators 2.3.1 and 2.3.2](#)
- [August 2019 | Special Issue on Indicator 6.4.1](#)

### Events

- [1-5 December 2019 \(Muscat, Oman\) | Introduction to the 2030 Agenda: Experiences and Lessons Learned on integration and implementation](#)
- [15-18 October 2019 \(Addis Ababa, Ethiopia\) | Workshop on SDG indicators 6.4.1 and 6.4.2 for Eastern Africa](#)





# Sustainable Development Goals

|                      |                          |                      |                       |  |                                   |                            |
|----------------------|--------------------------|----------------------|-----------------------|--|-----------------------------------|----------------------------|
| <a href="#">Home</a> | <a href="#">Overview</a> | <a href="#">News</a> | <a href="#">Goals</a> | <a href="#">Partnerships in action</a> | <a href="#">Tracking progress</a> | <a href="#">Indicators</a> |
|----------------------|--------------------------|----------------------|-----------------------|--|-----------------------------------|----------------------------|



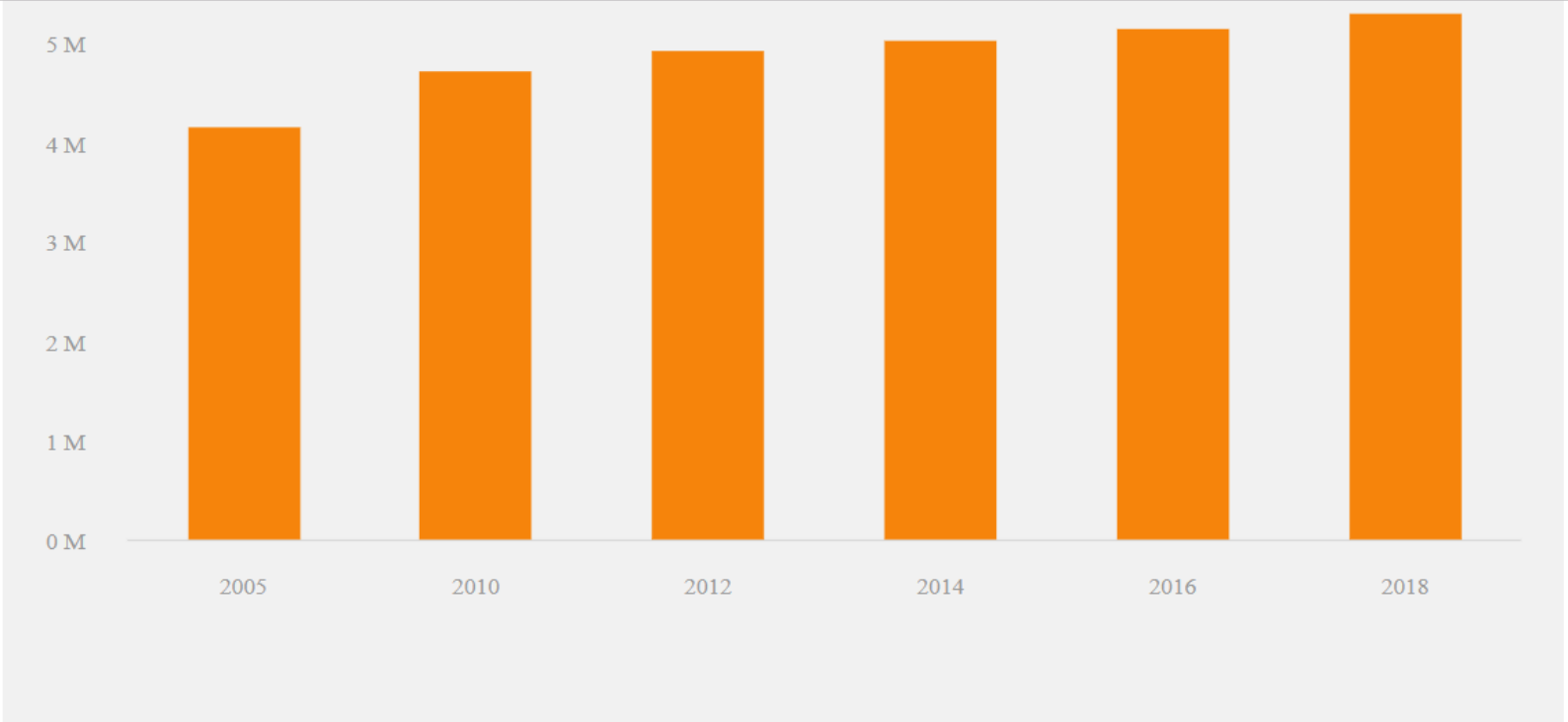
## Indicator 2.5.1.a - Number of plant genetic resources for food and agriculture secured in medium or long term conservation facilities

The conservation of plant genetic resources for food and agriculture in medium or long term conservation facilities (ex situ in genebanks) represents the most trusted means of conserving genetic resources worldwide. This indicator will measure progress towards target 2.5.



### Target 2.5

*By 2020, maintain the genetic diversity of seeds, cultivated plants and farmed and domesticated animals and their related wild species, including through soundly managed and diversified seed and plant banks at the national, regional and international levels, and promote access to and fair and equitable sharing of benefits arising from the utilization of genetic resources and associated traditional knowledge, as internationally agreed.*



### Impact

The measure of trends in *ex situ* conserved materials provides an overall assessment of the extent to which we are managing to maintain and/or increase the total genetic diversity available for future use and thus protect it from any permanent loss of genetic diversity which may occur on-farm and in the natural habitat.

This information is key to support the livelihood of the world's population with sufficient, diverse and nutritious diets long into the future.

### Key results

At the end of 2018, global holdings of plant genetic materials conserved in genebanks in 99 countries and 17 regional and international centers totaled 5.3 million samples, representing a 1.8 percent increase over the previous year. This increase was mainly due to the movement of existing materials to medium or long term conservation facilities rather than newly added diversity collected from

SDG Progress Digital Report (2019)

### Methodology

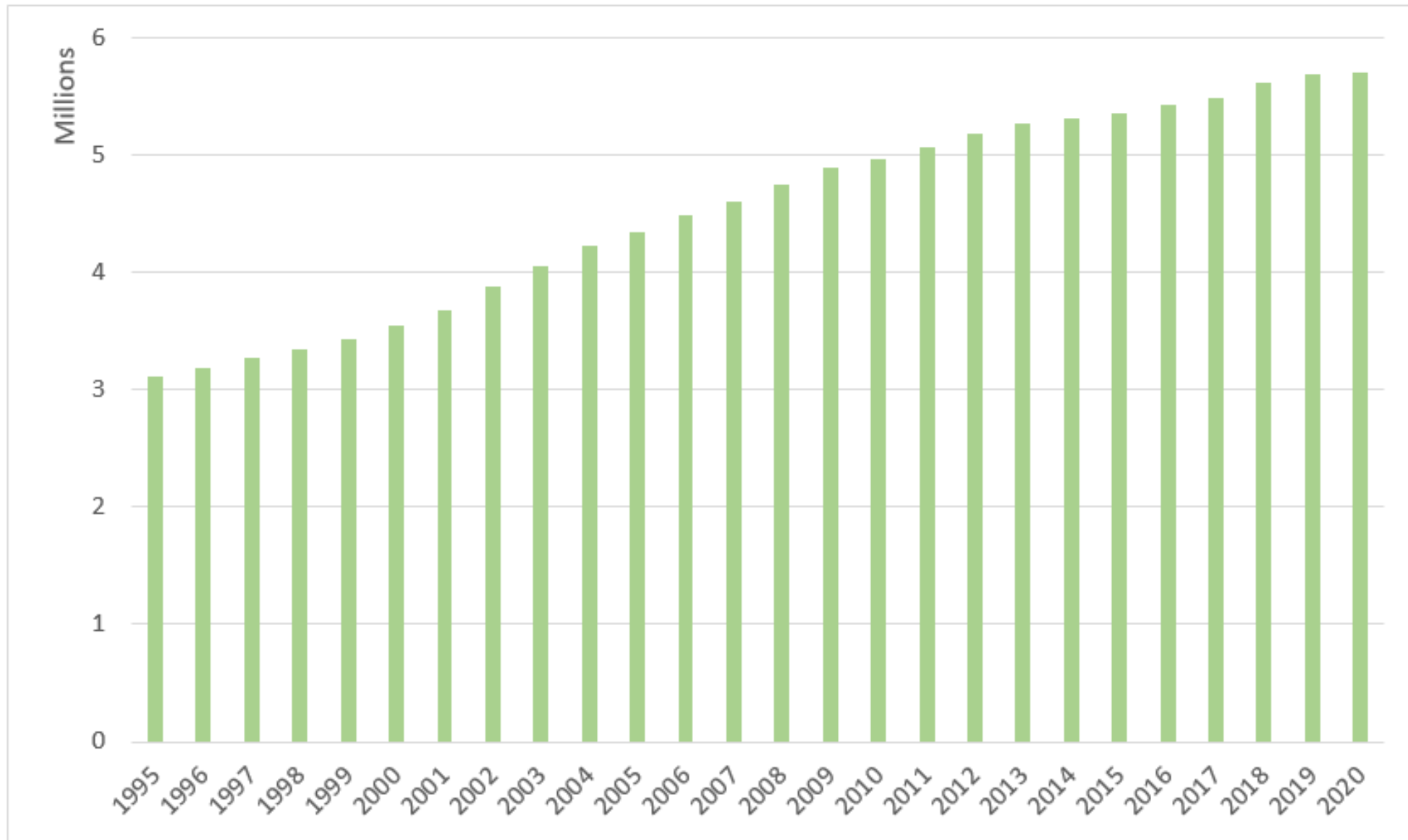
[Metadata \(EN, AR, RU\)](#)

Opens external link in new window

Tier: I

[Tier Classification](#)

### Data



## 2.5.1a – Global Report

- **No significant changes** over the previous year were observed in the global holdings of plant genetic resources for food and agriculture in 2020.
- At the end of 2020, **5.7 million accessions** of plant genetic resources for food and agriculture were reportedly conserved under medium or long-term conditions in **831 genebanks by 114 countries and 17 regional and international research centres**, about 0.2 percent increase on the previous year.
- Growth rate of the global holdings has decreased in the past ten years reaching its lowest level in 2020. The first year of the COVID pandemic has likely accelerated this negative trend by affecting genebanks' operations, including new germplasm collecting and acquisition activities.

## 2.5.1a – Global Report

- The on-going preparatory process of *The Third Report on the State of the World's Plant Genetic Resources for Food and Agriculture* has helped to increase the number of **reporting countries from 103 to 114**. Newly reporting countries were 4 from Central America, 3 from Western Africa and Central Asia, and 1 from Southeastern Asia. The increase reflects a **better awareness of the importance of conserving and monitoring *ex situ* holdings**.
- Overall, diversity of **crop wild relatives, wild food plants, and neglected and underutilized crop species** continues to be under-represented in *ex situ* collections and this is of particular concern given the increasing pressure faced by these plant species in both natural and agricultural environments.

## 2.5.1a – Global Report

- As of December 2020, **355 genebanks** around the world conserved **125,027 samples** from over **2,276 species listed in the IUCN categories of global major concern**. Among these are underutilized crops and wild relatives of crops particularly important for global and local food security, as well as livelihood also in marginal environments, like arid and semi-arid zones. They include **upland cotton, sweet potatoes, coffee, plums, apricots, Levant cotton, apples, mat beans and year-long beans**, as well as **wild relatives of wheat, oats, chickpeas, lupines and rice**.
- Over the last 25 years, **the augmenting pressure** exerted by climate change on crop and crop-associated diversity under on-farm and wild conditions has been **alarming**. **Crop wild relatives, wild food plants, and neglected and underutilized crop species** have been among the plant groups **most at risk**. The **global response** in preserving crop diversity in standard compliant *ex situ* facilities has been **insufficient** to address to the increasing threats. **Vulnerable plant groups continue to be missing in the gene bank collections or have their intraspecific diversity poorly represented**.

## 2.5.1a – Capacity development

- A global training workshop took place in Rome/FAO HQ in 29th November-1st December 2017.
- E-learning course available:  
<http://www.fao.org/elearning/#/elc/en/course/SDG251-252>
- Direct technical assistance can also be provided upon request

شكرا!

## Contact:

Stefano Diulgheroff

Secretary

Intergovernmental Technical Working  
Group on Plant Genetic Resources

Plant Production and Protection Division

FAO Regional Office for Africa

[stefano.diulgheroff@fao.org](mailto:stefano.diulgheroff@fao.org)

<http://www.fao.org/wiews>